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. APPLICATION NO.	1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/912,411		04/19/2001	Terrence Edwards Rogers	P12614	9890		
20792	·7590	09/30/2005		EXAM	EXAMINER		
MYERS B	IGEL SI	BLEY & SAJOVEO	DEBERADINIS, ROBERT L				
PO BOX 37 RALEIGH,		527		ART UNIT	ART UNIT PAPER NUMBER		
,				2836			
				DATE MAILED: 09/30/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/912,411	ROGERS, TERRENCE EDWARDS	
Office Action Summary	Examiner	Art Unit	m
	Robert DeBeradinis	2836 .	(',
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence addi	ress
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nety filed the mailing date of this com D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 19 Ap	oril 2001		
,	action is non-final.		
3) Since this application is in condition for allowar	•	secution as to the r	merits is
closed in accordance with the practice under E			nonto io
	A parto quajro, 1000 0.21 11, 10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Disposition of Claims			
4) Claim(s) <u>1-20</u> is/are pending in the application.			
4a) Of the above claim(s) is/are withdrav	vn from consideration.		
5)⊠ Claim(s) <u>19 and 20</u> is/are allowed.			
6)⊠ Claim(s) <u>1-7,12,14 and 15</u> is/are rejected.			
7)⊠ Claim(s) <u>8-11,13 and 16-18</u> is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examiner	r. ·		
10) The drawing(s) filed on 19 April 2001 is/are: a)		by the Examiner.	
Applicant may not request that any objection to the	_ ,_ ,_ ,	•	
Replacement drawing sheet(s) including the correcti			l 1.121(d).
11)☐ The oath or declaration is objected to by the Ex			• •
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:	. ,	() ()	
1. Certified copies of the priority documents	s have been received.		
2. Certified copies of the priority documents		on No	
3. Copies of the certified copies of the prior			tage
application from the International Bureau	•		
* See the attached detailed Office action for a list of	of the certified copies not receive	d.	•
•			
	, .		
Attachment(s)			
Notice of References Cited (PTO-892)	4) Interview Summary	(PTO_413)	
Notice of Praftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/10/02,9/5/03.	5) Notice of Informal Page 6) Other:	atent Application (PTO-1	52)

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DETAILED ACTION

Drawings

The drawing (figure 1) is objected to because the functional blocks are not labeled with their functional names. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Information Disclosure Statement

The IDS submitted on 9/5/03 was not considered because numbers are not readable.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 7, 12 are rejected under 35 U.S.C. 102(a) as being anticipated by CHEHADI 6,437,609.

Regarding claims 1, 12.

CHEHADI discloses a voltage regulation system comprising a first voltage regulator configured to receive an input voltage (VR) from a power source and to produce a first output voltage for a first electrical circuit; a controller (230) coupled to the first voltage regulator (220) and configured to change the first output voltage to a second output voltage; and a second voltage regulator configured to receive either of the first output voltage or the second output voltage, and to produce a third output voltage for a second electrical circuit (HV).

Regarding claim 7.

CHEHADI teaches the voltage regulation system according to claim 1, wherein the first electrical circuit comprises a radio frequency transmitter (SR) and the second electrical circuit comprises a radio frequency receiver (VR).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 2, 3, 5, 6, 14, 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over CHEHADI 6,437,609 in view of NGUYEN 6,188,206.

Regarding claim 2.

CHEHADI discloses the voltage regulation system according to claim 1.

CHEHADI is silent wherein the first voltage regulator comprises a buck voltage regulator.

NGUYEN teaches a voltage regulator converts an input voltage to a regulated output voltage and there are many types and applications for voltage regulators, one such type is a switching DC-to-DC step-down regulator or buck regulator (column 1).

It would have been obvious to one having ordinary skill in the art at the time of this invention to have modified the first regulator to be a buck regulator. The motivation would have been to reduce the regulator size (col. 1, line 13).

Regarding claim 3.

CHEHADI discloses the voltage regulation system according to claim 1.

CHEHADI is silent wherein the first voltage regulator comprises a boost voltage regulator.

NGUYEN teaches a voltage regulator converts an input voltage to a regulated output voltage and there are many types and applications for voltage regulators.

It would have been obvious to one having ordinary skill in the art at the time of this invention to have modified the first regulator to be a boost regulator. The motivation would have been to boost the VR voltage.

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Regarding claims 5, 6, 14, 15.

CHEHADI discloses the voltage regulation system according to claim 1.

NGUYEN teaches a voltage regulator converts an input voltage to a regulated output voltage and there are many types and applications for voltage regulators.

It would be obvious to one of ordinary skill in the art to merely arrange voltage regulators to provide a desired voltage regulation system.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over CHEHADI 6,437,609 in view of ANTOSZKIEWICZ 20010003417.

Regarding claim 4.

CHEHADI discloses the voltage regulation system according to claim 1.

CHEHADI is silent wherein the first voltage regulator comprises a series pass voltage regulator.

ANTOSZKIEWICZ teaches linear series pass regulator is used when high precision is required (paragraph 20).

It would have been obvious to one having ordinary skill in the art at the time of this invention to use a series pass voltage regulator. The motivation would be to reduce regulation noise.

Allowable Subject Matter

Claims 19, 20 allowable over the prior art of record.

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Claims 8-11, 13, 16-18 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (703) 872-9306.

RLD

SEPTEMBER 27, 2005

ROBERT L. D**EBERADINIS** PRIMARY EXA**MINE**R